

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run On: June 25, 2003, 14:42:11 ; Search time 11.5302 Seconds
(without alignments)
283.251 Million cell updates/sec

Title: US-09-622-613b-21

Perfect score: 605
Sequence: 1 MONNAFFQKHIMTPICN.....ICVCKCENQPVHFAIGRCP 111

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

1: Issued_Patents_AA.*
2: /cgn2_6/ptodata/1/1aa/5A.COMB.pep.*
3: /cgn2_6/ptodata/1/1aa/5B.COMB.pep.*
4: /cgn2_6/ptodata/1/1aa/6A.COMB.pep.*
5: /cgn2_6/ptodata/1/1aa/6B.COMB.pep.*
6: /cgn2_6/ptodata/1/1aa/Backfile1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	582.5	96.3	111	2	US-08-891-848-12
2	582.5	96.3	111	3	US-08-875-811-8
3	280.5	46.4	104	1	US-08-467-955-2
4	275.5	45.5	105	3	US-08-875-811-39
5	275.5	45.5	355	3	US-08-875-811-41
6	275.5	45.5	358	3	US-08-875-811-51
7	273.5	45.2	104	4	US-09-394-268-1
8	273.5	45.2	104	4	US-09-394-268-2
9	273.5	45.2	104	4	US-09-687-748-1
10	273.5	45.2	112	4	US-09-687-748-2
11	273.5	45.2	112	3	US-08-875-811-32
12	273.5	45.2	129	3	US-08-875-811-63
13	273.5	45.2	251	3	US-08-875-811-59
14	273.5	45.2	254	3	US-08-875-811-61
15	273.5	45.2	355	3	US-08-875-811-49
16	273.5	45.2	355	3	US-08-875-811-57
17	273.5	45.2	355	3	US-08-875-811-64
18	273.5	45.2	366	3	US-08-875-811-55
19	273.5	45.2	379	3	US-08-875-811-43
20	270.5	44.7	104	1	US-08-283-971-1
21	270.5	44.7	104	1	US-07-921-619-1
22	270.5	44.7	104	1	US-08-467-955-1
23	270.5	44.7	104	2	US-08-891-848-13
24	268.5	44.4	104	3	US-08-875-811-1
25	268.5	44.4	104	4	US-09-071-672-1
26	268.5	44.4	105	3	US-08-875-811-26
27	268.5	44.4	106	3	US-08-875-811-28

28	268.5	44.4	107	3	US-08-875-811-30	Sequence 30, Appl
29	267.5	44.2	105	3	US-08-875-811-24	Sequence 24, Appl
30	264.5	43.7	358	3	US-08-875-811-45	Sequence 45, Appl
31	264.5	43.7	365	3	US-08-875-811-53	Sequence 53, Appl
32	246.5	40.7	107	3	US-08-875-811-20	Sequence 20, Appl
33	235.5	38.9	111	3	US-08-875-811-22	Sequence 22, Appl
34	232	38.3	114	4	US-09-223-118-3	Sequence 47, Appl
35	228.5	37.8	360	3	US-08-875-811-47	Sequence 2, Appl
36	223	36.9	114	4	US-09-223-118-2	Sequence 1, Appl
37	222	36.7	114	4	US-09-223-118-1	Sequence 4, Appl
38	221	36.5	114	4	US-09-223-118-4	Sequence 2, Appl
39	202	33.4	83	3	US-08-875-811-2	Sequence 3, Appl
40	202	33.4	83	3	US-09-071-672-3	Sequence 2, Appl
41	161	26.6	169	1	US-08-441-629-2	Sequence 2, Appl
42	161	26.6	169	3	US-08-776-207-2	Sequence 2, Appl
43	161	26.6	169	4	US-09-507-773-2	Sequence 2, Appl
44	161	26.6	169	5	PCR-US95-09172-2	Sequence 2, Appl
45	123.5	20.4	125	6	5171845-2	Patent No. 5171845

ALIGNMENTS

RESULT 1
US-08-891-848-12
Sequence 12, Application US/08891848
Patent No. 5955073
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Rybak, Richard J.
APPLICANT: Newton, Dianne L.
APPLICANT: Nicholls, Peter J.
TITLE OF INVENTION: Selective RNase Cytotoxic Reagents
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/891,848
FILING DATE: No. 5955073 yet assigned
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/125,462
FILING DATE: 22-SEP-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/014,082
FILING DATE: 04-FEB-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/779,195
FILING DATE: 22-OCT-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/510,696
FILING DATE: 20-APR-1990
ATTORNEY/AGENT INFORMATION:
NAME: Weber, Ellen Lauver
REGISTRATION NUMBER: 32,762
REFERENCE/DOCKET NUMBER: 015280-110310US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 111 amino acids
TYPE: amino acid

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STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
NAME/KEY: protein
LOCATION: 1..111
OTHER INFORMATION: /note="Frog Lectin from Rana
US-08-891-848-12

Query Match      96.3%: Score 582.5; DB 2; Length 111;
Best Local Similarity 96.4%: Pred. No. 3.7e-60;
Matches 107; Conservative 3; Mismatches 0; Indels 1; Gaps 1;

OY      2  QNATFOQKHIIINPPII-CNTILDNNIYIVGGCKRVNFTIISATTVKAICTGVLNV 60
Db      1  ENNATFOQKHIIINPPIINCNITMDNNIYIVGGCKRVNFTIISATTVKAICTGVLNV 60

OY      61  LSTTRQLNCTRTSTTRPCPYSSRTETNYICVKCENQYPVHAGIGRCP 111
Db      61  LSTTRQLNCTRTSTTRPCPYSSRTETNYICVKCENQYPVHAGIGRCP 111

RESULT 2
US-08-875-811-8
Sequence 8, Application US/08875811
Patent No. 6045793
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: Boque, Luis
APPLICANT: Wlodawer, Alexander
TITLE OF INVENTION: Recombinant Ribonuclease Proteins
NUMBER OF SEQUENCES: 64
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/875,811
FILING DATE: 19-FEB-1998
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US97/02588
FILING DATE: 19-FEB-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/011,800
FILING DATE: 21-FEB-1996
ATTORNEY/AGENT INFORMATION:
NAME: Faris, Susan K.
REGISTRATION NUMBER: 41,739
REFERENCE/DOCKET NUMBER: 015280-244100US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 111 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
NAME/KEY: protein
LOCATION: 1..111
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OTHER INFORMATION: /note="Frog Lectin from Rana
US-08-875-811-8

Query Match      96.3%: Score 582.5; DB 3; Length 111;
Best Local Similarity 96.4%: Pred. No. 3.7e-60;
Matches 107; Conservative 3; Mismatches 0; Indels 1; Gaps 1;

OY      2  QNATFOQKHIIINPPII-CNTILDNNIYIVGGCKRVNFTIISATTVKAICTGVLNV 60
Db      1  ENNATFOQKHIIINPPIINCNITMDNNIYIVGGCKRVNFTIISATTVKAICTGVLNV 60

OY      61  LSTTRQLNCTRTSTTRPCPYSSRTETNYICVKCENQYPVHAGIGRCP 111
Db      61  LSTTRQLNCTRTSTTRPCPYSSRTETNYICVKCENQYPVHAGIGRCP 111

RESULT 3
US-08-467-955-2
Sequence 2, Application US/08467955
Patent No. 5728805
GENERAL INFORMATION:
APPLICANT: Argelt Ph.D, Wojciech J.
TITLE OF INVENTION: PHARMACEUTICALS AND METHOD FOR MAKING THEM
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: Mark H. Jay, P.A.
STREET: P.O. Box E
CITY: Short Hills
STATE: New Jersey
COUNTRY: USA
ZIP: 07078-0383
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.24
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,955
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/178,118
FILING DATE: 06-APR-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/436,141
FILING DATE: 13-NOV-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/814,332
FILING DATE: 03-FEB-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/283,970
FILING DATE: 01-AUG-1994
ATTORNEY/AGENT INFORMATION:
NAME: Jay, Mark H.
REGISTRATION NUMBER: 27507
REFERENCE/DOCKET NUMBER: 5007 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-912-9066
TELEFAX: 201-912-0442
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 104 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: N
ANTI-SENSE: N
FRAGMENT TYPE: N-terminal
ORIGINAL SOURCE:
ORGANISM: Rana pipiens
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DEVELOPMENTAL STAGE: Oocyte
US-08-467-955-2

Query Match 46.4%; Score 280.5; DB 1; Length 104;
Best Local Similarity 48.6%; Pred. No. 2.8e-25;
Matches 54; Conservative 17; Mismatches 31; Indels 9; Gaps 4;

OY 2 ONNATFOOKHINT-PIICNTILDNNIYVGGCKRVNFTISSATTVAICTGVI-NLN 59
Db 1 EDMLTFOCKHINTTRVDNDINIMSTNLF---HCKDKNTFIYSRPEPVAKICKGIASKN 56

OY 60 VLSTRFOLNTCTRTSITPRPCYSSRTETNYICVKCENQYPVHFGIGRC 110
Db 57 VLTTSEFYLSDC---NVTSRPCYKYLKSTNKFCTCENQAPVHFGVGC 104

RESULT 4
US-08-875-811-39
Sequence 39, Application US/08875811
Patent No. 6045793

GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: Bogue, Luis
APPLICANT: Wlodawer, Alexander
TITLE OF INVENTION: Recombinant Ribonuclease Proteins
NUMBER OF SEQUENCES: 64
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/875,811
FILING DATE: 19-FEB-1998
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US97/02588
FILING DATE: 19-FEB-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/011,800
FILING DATE: 21-FEB-1996
ATTORNEY/AGENT INFORMATION:
NAME: Paris, Susan K.
REGISTRATION NUMBER: 41,739
REFERENCE/DOCKET NUMBER: 015280-244100US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 39:
SEQUENCE CHARACTERISTICS:
LENGTH: 105 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-875-811-39

Query Match 45.5%; Score 275.5; DB 3; Length 105;
Best Local Similarity 48.2%; Pred. No. 1.1e-24;
Matches 54; Conservative 17; Mismatches 32; Indels 9; Gaps 4;

OY 1 MONNATFOCKHINT-PIICNTILDNNIYVGGCKRVNFTISSATTVAICTGVI-NL 58
Db 1 MEDLTFCKHINTTRVDNDINIMSTNLF---HCKDKNTFIYSRPEPVAKICKGIASK 56

OY 59 NVLSTRFOLNTCTRTSITPRPCYSSRTETNYICVKCENQYPVHFGIGRC 110

Db 57 NVLTTSEFYLSDC---NVTSRPCYKYLKSTNKFCTCENQAPVHFGVGC 105

RESULT 5
US-08-875-811-41
Sequence 41, Application US/08875811
Patent No. 6045793

GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: Bogue, Luis
APPLICANT: Wlodawer, Alexander
TITLE OF INVENTION: Recombinant Ribonuclease Proteins
NUMBER OF SEQUENCES: 64
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/875,811
FILING DATE: 19-FEB-1998
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US97/02588
FILING DATE: 19-FEB-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/011,800
FILING DATE: 21-FEB-1996
ATTORNEY/AGENT INFORMATION:
NAME: Paris, Susan K.
REGISTRATION NUMBER: 41,739
REFERENCE/DOCKET NUMBER: 015280-244100US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 41:
SEQUENCE CHARACTERISTICS:
LENGTH: 355 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-875-811-41

Query Match 45.5%; Score 275.5; DB 3; Length 355;
Best Local Similarity 48.2%; Pred. No. 4.7e-24;
Matches 54; Conservative 17; Mismatches 32; Indels 9; Gaps 4;

OY 1 MONNATFOCKHINT-PIICNTILDNNIYVGGCKRVNFTISSATTVAICTGVI-NL 58
Db 251 MEDLTFCKHINTTRVDNDINIMSTNLF---HCKDKNTFIYSRPEPVAKICKGIASK 306

OY 59 NVLSTRFOLNTCTRTSITPRPCYSSRTETNYICVKCENQYPVHFGIGRC 110
Db 307 NVLTTSEFYLSDC---NVTSRPCYKYLKSTNKFCTCENQAPVHFGVGC 355

RESULT 6
US-08-875-811-51
Sequence 51, Application US/08875811
Patent No. 6045793

GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: Bogue, Luis

APPLICANT: Wlodawer, Alexander
TITLE OF INVENTION: Recombinant Ribonuclease Proteins
NUMBER OF SEQUENCES: 64
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/875.811
FILING DATE: 19-FEB-1998
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US97/02588
FILING DATE: 19-FEB-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/011.800
FILING DATE: 21-FEB-1996
ATTORNEY/AGENT INFORMATION:
NAME: Fails, Susan K.
REGISTRATION NUMBER: 41.739
REFERENCE/DOCKET NUMBER: 015280-244100US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 51:
SEQUENCE CHARACTERISTICS:
LENGTH: 358 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-875-811-51

Query Match 45.5%; Score 275.5; DB 3; Length 358;
Best Local Similarity 48.2%; Pred. No. 4.8e-24;

Matches 54; Conservative 17; Mismatches 32; Indels 9; Gaps 4;

QY 1 QNMATFOOKHIINT-PIICNTILDNNIYIGGCKRVNFIISATTVKAICGVI-NL 58
DB 1 MEDLTFQKHIINTTRVDCCDNIINSTLF---HCKDKNTFYSPPEPVKAICGIIASK 56

QY 59 NVLSTTRPQNTCTRTSITPRCPYSSRTETNYICVCKENQYPVHFGAGIGRC 110
DB 57 NVLTSEFYLSDC---NVTSRPKYKLLKSTNKFCTVCENQAPVHFGVGS 105

RESULT 7
US-09-394-268-1
Sequence 1, Application US/09394268
Patent No. 6175003
GENERAL INFORMATION:
APPLICANT: Saxena, Shalendra K
TITLE OF INVENTION: NUCLEIC ACIDS ENCODING RIBONUCLEASES AND METHODS OF
FILE REFERENCE: 5013
CURRENT APPLICATION NUMBER: US/09/394,268
CURRENT FILING DATE: 1999-09-10
NUMBER OF SEQ ID NOS: 8
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 1
LENGTH: 104
TYPE: PRT
ORGANISM: Rana pipiens
US-09-394-268-1

Query Match 45.2%; Score 273.5; DB 4; Length 104;

Best Local Similarity 48.6%; Pred. No. 1.8e-24;
Matches 54; Conservative 16; Mismatches 32; Indels 9; Gaps 4;

QY 2 QNMATFOOKHIINT-PIICNTILDNNIYIGGCKRVNFIISATTVKAICGVI-NLN 59
DB 1 QDMLTFOKHIINTTRVDCCDNIINSTLF---HCKDKNTFYSPPEPVKAICGIIASKN 56

QY 60 VLSSTTRPQNTCTRTSITPRCPYSSRTETNYICVCKENQYPVHFGAGIGRC 110
DB 57 VLTTSERYLSDC---NVTSRPKYKLLKSTNKFCTVCENQAPVHFGVGS 104

RESULT 8
US-09-394-268-2
Sequence 2, Application US/09394268
Patent No. 6175003
GENERAL INFORMATION:
APPLICANT: Saxena, Shalendra K
TITLE OF INVENTION: NUCLEIC ACIDS ENCODING RIBONUCLEASES AND METHODS OF
FILE REFERENCE: 5013
CURRENT APPLICATION NUMBER: US/09/394,268
CURRENT FILING DATE: 1999-09-10
NUMBER OF SEQ ID NOS: 8
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 2
LENGTH: 104
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: SEQ ID NO:1 with Leu at position 23 and Cys at
OTHER INFORMATION: position 72
US-09-394-268-2

Query Match 45.2%; Score 273.5; DB 4; Length 104;
Best Local Similarity 49.5%; Pred. No. 1.8e-24;

Matches 55; Conservative 15; Mismatches 32; Indels 9; Gaps 4;

QY 2 QNMATFOOKHIINT-PIICNTILDNNIYIGGCKRVNFIISATTVKAICGVI-NLN 59
DB 1 QDMLTFOKHIINTTRVDCCDNIINSTLF---HCKDKNTFYSPPEPVKAICGIIASKN 56

QY 60 VLSSTTRPQNTCTRTSITPRCPYSSRTETNYICVCKENQYPVHFGAGIGRC 110
DB 57 VLTTSERYLSDC---NVTSRPKYKLLKSTNKFCTVCENQAPVHFGVGS 104

RESULT 9
US-09-687-748-1
Sequence 1, Application US/09687748
Patent No. 6423515
GENERAL INFORMATION:
APPLICANT: Saxena, Shalendra K
TITLE OF INVENTION: METHODS OF MAKING NUCLEIC ACIDS ENCODING RIBONUCLEASES
FILE REFERENCE: 5013 US 01
CURRENT APPLICATION NUMBER: US/09/687,748
CURRENT FILING DATE: 2000-10-14
PRIOR APPLICATION NUMBER: 09/394,268
PRIOR FILING DATE: 1999-09-10
NUMBER OF SEQ ID NOS: 8
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 1
LENGTH: 104
TYPE: PRT
ORGANISM: Rana pipiens
US-09-687-748-1

Query Match 45.2%; Score 273.5; DB 4; Length 104;
Best Local Similarity 48.6%; Pred. No. 1.8e-24;

Matches 54; Conservative 16; Mismatches 32; Indels 9; Gaps 4;

QY 2 QNMATFOOKHIINT-PIICNTILDNNIYIGGCKRVNFIISATTVKAICGVI-NLN 59
DB 1 QDMLTFOKHIINTTRVDCCDNIINSTLF---HCKDKNTFYSPPEPVKAICGIIASKN 56

[illegible]

RESULT 10
 US-09-687-748-2
 Sequence 2, Application US/09687748
 Patent No. 6423515
 GENERAL INFORMATION:
 APPLICANT: Saxena, Mehulendra K
 TITLE OF INVENTION: METHODS OF MAKING NUCLEIC ACIDS ENCODING RIBONUCLEASES
 FILE REFERENCE: 5013 US 01
 CURRENT APPLICATION NUMBER: US/09/687,748
 CURRENT FILING DATE: 2000-10-14
 PRIOR APPLICATION NUMBER: 09/394,268
 PRIOR FILING DATE: 1999-09-10
 NUMBER OF SEQ ID NOS: 8
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO 2
 LENGTH: 104
 TYPE: PRT
 ORGANISM: Artificial
 FEATURE:
 OTHER INFORMATION: SEQ ID NO:1 with Leu at position 23 and Cys at position 72
 US-09-687-748-2

RESULT 11
 US-08-875-811-32
 Sequence 32, Application US/08875811
 Patent No. 6045793
 GENERAL INFORMATION:
 APPLICANT: Rybak, Susanna M.
 APPLICANT: Newton, Dianne L.
 APPLICANT: Bogue, Uluis
 APPLICANT: Wlodawer, Alexander
 TITLE OF INVENTION: Recombinant Ribonuclease Proteins
 NUMBER OF SEQUENCES: 64
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Townsend and Townsend and Crew LLP
 STREET: Two Embarcadero Center, Eighth Floor
 CITY: San Francisco
 STATE: California
 COUNTRY: USA
 ZIP: 94111-3834
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent'n Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/875,811
 FILING DATE: 19-FEB-1998
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: WO PCT/US97/02588
 FILING DATE: 19-FEB-1997

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1      PRIOR APPLICATION DATA:
2      APPLICATION NUMBER:  US 60/011,800
3      FILING DATE:  21-FEB-1996
4      ATTORNEY/AGENT INFORMATION:
5      NAME:  Fatis, Susan K.
6      REGISTRATION NUMBER:  41,739
7      REFERENCE/DOCKET NUMBER:  015280-244100US
8      TELECOMMUNICATION INFORMATION:
9      TELEPHONE:  (415) 576-0200
10     TELEFAX:  (415) 576-0300
11     INFORMATION FOR SEQ ID NO: 32:
12     SEQUENCE CHARACTERISTICS:
13     LENGTH: 112 amino acids
14     TYPE: amino acid
15     TOPOLOGY: linear
16     MOLECULE TYPE: protein
17
18     US-08-875-811-32

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	Query Match	45.2%	Score 273.5	DB 3	length 112
	Best Local Similarity	48.2%	Pred. No. 2e-24		
	Matches	54	Conservative	16	Mismatches 33; Indels 9; Gaps 4
QY	1	MQNNATFOOKHIIINT-PIICNTIILDNNNIYIGOCGRYNTFFIISATYKAICTGVI-NL	58		
		: : : : :			
Db	8	MSDMITFOCKKIITTRDYDCDINIMSTNF----HCKDKNTFFIYSREPEYKATCKGIASK	63		
QY	59	NVLSTTRPOLMTCRTSTITPPRCPPSSRTETIYICVCKENQYVPHAFAGIGRC	110		
		: : : :			
Db	64	NVLTTSEYLEDG---NVTSPRCATKLKKSINKFCVTEENQAFVHVFVGVSC	112		

RESULT 12
 US-08-875-811-63
 Sequence 63, Application US/00875811
 Patent No. 6045793
 GENERAL INFORMATION:
 APPLICANT: Rybak, Susanna M.
 APPLICANT: Newton, Dianne L.
 APPLICANT: Bogue, Lluís
 APPLICANT: Wlodawer, Alexander
 TITLE OF INVENTION: Recombinant Ribonuclease Proteins
 NUMBER OF SEQUENCES: 64
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Townsend and Townsend and Crew LLP
 STREET: Two Embarcadero Center, Eighth Floor
 CITY: San Francisco
 STATE: California
 COUNTRY: USA
 ZIP: 94111-3834
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/875,811
 FILING DATE: 19-FEB-1998
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: WO PCT/US97/02588
 FILING DATE: 19-FEB-1997
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 60/011,800
 FILING DATE: 21-FEB-1996
 ATTORNEY/AGENT INFORMATION:
 NAME: Faris, Susan K.
 REGISTRATION NUMBER: 41,739
 REFERENCE/DOCKET NUMBER: 015280-244100US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (415) 576-0200
 TELEFAX: (415) 576-0300
 INFORMATION FOR SEQ ID NO: 63:
 SEQUENCE CHARACTERISTICS:

LENGTH: 129 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-875-811-63

Query Match 45.2%; Score 273.5; DB 3; Length 129;
 Best Local Similarity 48.6%; Pred. No. 2.3e-24;

Matches 54; Conservative 16; Mismatches 32; Indels 9; Gaps 4;

QY 2 ONMATEFOOKHIINT-PIICNTILDNNIYVGGCKRVNFTIISATTVAICTGYI-NLN 59
 Db 26 QDLTFOKKHINTTRVDCCDINIMSTNLF---HCKDKNTFIYSRPEPVAKICKGIASKN 81
 QY 60 VLSTTRFOJNTCTRTSITPRCPYSSRTETNYICVCKENQYVHFAIGIRC 110
 Db 82 VLITSEFYLSDC---NVTSRPCKYKIKKSTNKFVCYCENQAPVHFGVGS 129

RESULT 13

US-08-875-811-59
 Sequence 59, Application US/08875811
 Patent No. 6045793

GENERAL INFORMATION:

APPLICANT: Rybak, Susanna M.
 APPLICANT: Newton, Dianne L.
 APPLICANT: Bogue, Luis
 APPLICANT: Wlodawer, Alexander
 TITLE OF INVENTION: Recombinant Ribonuclease Proteins
 NUMBER OF SEQUENCES: 64
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Townsend and Townsend and Crew LLP
 STREET: Two Embarcadero Center, Eighth Floor
 CITY: San Francisco
 STATE: California
 COUNTRY: USA
 ZIP: 94111-3834

COMPUTER READABLE FORM:

MEDIUM TYPE: floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/875,811
 FILING DATE: 19-FEB-1998
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: WO PCT/US97/02588
 FILING DATE: 19-FEB-1997

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 60/011,800
 FILING DATE: 21-FEB-1996
 ATTORNEY/AGENT INFORMATION:
 NAME: Faris, Susan K.
 REGISTRATION NUMBER: 41,739
 REFERENCE/DOCKET NUMBER: 015280-244100US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (415) 576-0200
 TELEFAX: (415) 576-0300
 INFORMATION FOR SEQ ID NO: 59:

SEQUENCE CHARACTERISTICS:
 LENGTH: 251 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-875-811-59

Query Match 45.2%; Score 273.5; DB 3; Length 251;
 Best Local Similarity 48.2%; Pred. No. 5.3e-24;

Matches 54; Conservative 16; Mismatches 33; Indels 9; Gaps 4;

QY 1 MONMATEFOOKHIINT-PIICNTILDNNIYVGGCKRVNFTIISATTVAICTGYI-NL 58
 Db 1 MSDLTFOKKHINTTRVDCCDINIMSTNLF---HCKDKNTFIYSRPEPVAKICKGIASK 56

Db 147 MSDLTFOKKHINTTRVDCCDINIMSTNLF---HCKDKNTFIYSRPEPVAKICKGIASK 202
 QY 59 NVLSTTRFOJNTCTRTSITPRCPYSSRTETNYICVCKENQYVHFAIGIRC 110
 Db 203 NVLITSEFYLSDC---NVTSRPCKYKIKKSTNKFVCYCENQAPVHFGVGS 251

RESULT 14

US-08-875-811-61
 Sequence 61, Application US/08875811
 Patent No. 6045793

GENERAL INFORMATION:

APPLICANT: Rybak, Susanna M.
 APPLICANT: Newton, Dianne L.
 APPLICANT: Bogue, Luis
 APPLICANT: Wlodawer, Alexander
 TITLE OF INVENTION: Recombinant Ribonuclease Proteins
 NUMBER OF SEQUENCES: 64
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Townsend and Townsend and Crew LLP
 STREET: Two Embarcadero Center, Eighth Floor
 CITY: San Francisco
 STATE: California
 COUNTRY: USA
 ZIP: 94111-3834

COMPUTER READABLE FORM:

MEDIUM TYPE: floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/875,811
 FILING DATE: 19-FEB-1998
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: WO PCT/US97/02588
 FILING DATE: 19-FEB-1997

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 60/011,800
 FILING DATE: 21-FEB-1996
 ATTORNEY/AGENT INFORMATION:
 NAME: Faris, Susan K.
 REGISTRATION NUMBER: 41,739
 REFERENCE/DOCKET NUMBER: 015280-244100US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (415) 576-0200
 TELEFAX: (415) 576-0300
 INFORMATION FOR SEQ ID NO: 61:

SEQUENCE CHARACTERISTICS:
 LENGTH: 254 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-875-811-61

Query Match 45.2%; Score 273.5; DB 3; Length 254;
 Best Local Similarity 48.2%; Pred. No. 5.3e-24;

Matches 54; Conservative 16; Mismatches 33; Indels 9; Gaps 4;

QY 1 MONMATEFOOKHIINT-PIICNTILDNNIYVGGCKRVNFTIISATTVAICTGYI-NL 58
 Db 1 MSDLTFOKKHINTTRVDCCDINIMSTNLF---HCKDKNTFIYSRPEPVAKICKGIASK 56
 QY 59 NVLSTTRFOJNTCTRTSITPRCPYSSRTETNYICVCKENQYVHFAIGIRC 110
 Db 57 NVLITSEFYLSDC---NVTSRPCKYKIKKSTNKFVCYCENQAPVHFGVGS 105

RESULT 15

US-08-875-811-49
 Sequence 49, Application US/08875811
 Patent No. 6045793

GENERAL INFORMATION:

APPLICANT: Rybak, Susanna M.
 APPLICANT: Newton, Dianne L.
 APPLICANT: Bogue, Bluis
 APPLICANT: Widawer, Alexander
 TITLE OF INVENTION: Recombinant Ribonuclease Proteins
 NUMBER OF SEQUENCES: 64
 CORRESPONDENCE ADDRESSES:
 ADDRESSEE: Townsend and Townsend and Crew LLP
 STREET: Two Embarcadero Center, Eighth Floor
 CITY: San Francisco
 STATE: California
 COUNTRY: USA
 ZIP: 94111-3634
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/875,811
 FILING DATE: 19-FEB-1998
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: WO PCT/US97/02588
 FILING DATE: 19-FEB-1997
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 60/011,800
 FILING DATE: 21-FEB-1996
 ATTORNEY/AGENT INFORMATION:
 NAME: Paris, Susan K.
 REGISTRATION NUMBER: 41,739
 REFERENCE/DCKET NUMBER: 015280-244100US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (415) 576-0200
 TELEFAX: (415) 576-0300
 INFORMATION FOR SEQ ID NO: 49:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 355 amino acids
 TYPE: aminc acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein

```

Query Match      45.2%; Score 273.5; DB:3; Length 355;
Best Local Similarity 48.2%; Pred. No. 8e-24;
Matches 54; Conservative 16; Pmid.Nomatches 33; Indels 9; Gaps 4

Oy      1 MGNATPFOCFHIWT-PIICNTIDNNIYIYGGOCKRNTFLISATYKATCGVI-NL 58
      | : | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      251 MSDMTLPCKKHIITNRDVCNINJTNLF----HCKDNTFLYFSRDEPAKCAICKIILASK 306

Oy      59 NVLSTTRQLMTCTRTSITPPRCFYSRTETIYICVCKENQVPAHFAGIRG 110
      | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      307 NVLTTSERYIEDC---NVTSRPCKKLLKSTINKFCVTCENQAPVAFVGVGSC 335

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Search completed: June 25, 2003, 15:00:31
Job time : 20.5302 secs

